

ABSTRACT

An object of the present invention is to provide
5 an ink compositions which, when used with an ink jet
recording apparatus, can realize excellent ink ejection
stability while maintaining safety and satisfactory
penetration of ink. The ink composition according to the
present invention comprises at least a colorant, a
10 humectant, a glycol monoether as a penetrating agent, a
1,2-alkanediol, and water, the weight ratio of the
glycol monoether to the 1,2-alkanediol being in the
range of 1 : 5 to 5 : 1. According to another aspect of
the present invention, there is provided an ink
15 composition comprising at least a pigment, a dispersant
for dispersing the pigment, a 1,2-alkanediol, and water
as a main solvent, the content of the 1,2-alkanediol
being 0.5 to 10% by weight based on the total amount of
the ink composition.

RECORDED IN THE U.S. PATENT AND TRADEMARK OFFICE
BY THE U.S. GOVERNMENT AS A COPY OF A DOCUMENT
FILED OR REGISTERED IN THE U.S. PATENT AND TRADEMARK
OFFICE PURSUANT TO 35 U.S.C. §113

EV011019569US